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creative image lighting technology
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USER MANUAL
GEBRAUCHSANLEITUNG
MANUEL D'UTILISATION
MANUALE D'USO
MANUAL DE INSTRUCCIONES

ZOOM Pro HD - 20192

ZOOM Action - 20193

ZOOM Pro - 20191

CE

Elinchrom SA ZOOM Head - Made in Switzerland - 12.07.2011 (73012)

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INTRODUCTION

Dear photographer

Thank you for buying the ELINCHROM ZOOM FLASHHEAD for the ELINCHROM power pack range. All Elinchrom products are manufactured using the most advanced technology. Carefully selected components are used to ensure the highest quality and the equipment is submitted to many tests both during and after manufacture. We trust that it will give you many years of reliable service.

Please read the instructions carefully, before use, for your safety and to obtain maximum benefit from the many features.

Your Elinchrom-Team

Please read carefully the notes about this manual…

This manual may show images of products with accessories, which are not part of Sets or single units.

Elinchrom set and single unit configurations may change without advise and may differ in other countries.

Please find actual configurations at www.elinchrom.com

For further details, upgrades, news and the latest information about the Elinchrom System, please regularly visit the Elinchrom website. The latest user guides and technical specifications can be downloaded in the “Support” area.

Technical data, features and functions of Elinchrom flash units, accessories and the EL-Skyport system may change without advice.

The listed values can differ due to tolerances in components, or measuring instruments.

Technical data, subject to change. No guarantee for misprints.

DECLARATION OF CONFORMITY

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

This device may not cause harmful interference.

1. This device must accept any interference received, including interference that may cause undesired operation.

Product name:	ZOOM HEAD
Trade name:	ELINCHROM
Model number(s):	Pro HD: 20192 Action: 20193 Pro: 20191
Name of responsible party:	Elinchrom S.A. Av. De Longemalle 11 CH - 1020 Renens / Switzerland
Phone:	+41 21 637 26 77
Fax:	+41 21 637 26 81
E-Mail:	elinchrom@elinchrom.ch

ELINCHROM S.A. hereby declares that the equipment bearing the trade name and model number specified above was tested conforming to the applicable FCC rules, and that all the necessary steps have been taken and are in force to assure that the production units of the same equipment will continue to comply with the Commissions requirements.

CE MARKING

The shipped version of this device complies with the requirements of EMC directives

(EMC 2004/108/EC) «Electromagnetic compatibility» and (Low voltage 2006/95/EC) «Low voltage directive».

DISPOSAL AND RECYCLING

This device has been manufactured to the highest standards from materials, which can be recycled or disposed of in a manner that is not environmentally damaging. The device may be taken back after use to be recycled, provided that it is returned in a condition that is the result of normal use. Any components not reclaimable will be disposed of in an environmentally acceptable manner.

If you have any question on disposal, please contact your local office or your local ELINCHROM Agent (please visit our website for a list of all ELINCHROM agents worldwide).

CHARACTERISTICS

- Three versions; **ZOOM PRO HD, ZOOM ACTION and ZOOM PRO**
- **NEW**: ZOOM function for flash tube and halogen modelling lamp.
- The ZOOM function is available from the left and right housing side
- ZOOM angle 50° to 66°, with 21 cm Reflector // 26141
- Up to 3000 ws maximum flash power, for the ELINCHROM power pack range.
- Up to 300 W halogen modelling lamp.
- High quality 5 m flash cable for maximum power and flexibility, also available as Flashhead Extension cable in 5 m and 10 m.
- **NEW**: Reliable, high quality plug-in flash tube included.
- **NEW**: Protection glass dome included.
- Halogen lamp on/off switch.
- Centred umbrella fitting (7 mm).
- Extra umbrella fitting for other umbrella shaft sizes.
- **NEW**: Intelligent low noise fan cooling system. Electronically controlled the fan spins slower or faster depending on the internal temperature of the head.
- Large handle with rubber grip.
- Small, robust and lightweight housing.

ZOOM HEAD VERSIONS

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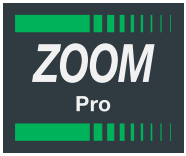
ZOOM PRO HD – 20192

The ZOOM PRO HD version offers a high performance plug-in flash tube with heavy-duty electrodes for maximum colour stability and hard use in digital photography. The ZOOM PRO HD is the best choice for catalogue and 3D turntable imaging. Maximum 50 serial flashes at 3000 ws, after this a short break of some minutes is required to not damage the flash tube electrodes!

ZOOM ACTION – 20193

The ZOOM ACTION Head offers a very short flash duration for action freezing photography. The new A (action) tube is a single twin-pole plug-in flash tube with even light distribution. Maximum 20 serial flashes at 3000 ws, after this a short break of some minutes is required to not damage the flash tube electrodes!

ZOOM PRO – 20191



This Head is designed for universal photography and is equipped with a standard 3000 ws omega plug-in flash tube. Maximum 20 serial flashes at 3000 ws, after this
a short break of some minutes is required to not damage the flash tube electrodes!

USER SAFETY INFORMATION OUTDOORS, STUDIO & GENERAL USE

Flash heads are powerful light sources. Please be aware of the danger, or inconvenience, that they may present to others such as example children.

- Keep flash units out of reach of unauthorised persons whenever possible.
- Do not use in restricted areas (like hospitals, always ask permission before).
- Do not use near flammable / explosive material. Keep minimum 1m distance, or more.
- Always switch off the power pack before connecting or disconnecting heads.

- The unit, the flash tube and accessories may become very hot during and after use! To avoid injuries, handle with isolating cloth or wait until parts have cooled down.
- Never flash into the eyes of a subject without warning. Close use may affect eyesight.
- There is high voltage and there can be high currents, so please apply all the usual safety precautions when handling the unit.
- Protect the flashhead and the power pack when used in humid conditions, but ensure ventilation for cooling!
- Flash cables must be connected correctly before switching on the power pack.
- Acclimatizing: If the unit has been exposed to very cold conditions, sudden exposure to warm or humid air may cause condensation and malfunction.
- Prevent direct sunlight, which might heat up the head and the power pack.
- Do not open the unit. In the event of damage, apparent failure, or a defect flash tube, please contact the Elinchrom Service Centre.
- Flash tubes and modelling lamps may generate high pressure during operation. Explosions may occur with aged flash tubes and incorrect fuse / halogen lamp combinations. For this reason the flash tube is covered with a glass dome. In case of a damaged flash tube or a broken security cover the flashhead must be immediately unplugged from the power pack and sent to an authorized Elinchrom customer service.
- Only lamp connectors with immaculate contacts must be used, burned or/and corroded contacts may cause explosions in the area of connectors and lamp sockets.
- Do not route cables across the studio floor if possible, so that damage is prevented. If routing across the studio floor cannot be avoided, then it must be ensured that vehicles, ladders, etc. do not damage cables. Damaged cables and cases must be immediately replaced by customer service.

BEFORE YOU START

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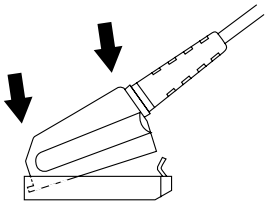
- Ensure that the power pack is **switched OFF, before connecting the ZOOM Head.**
- Ensure that the ZOOM Head is in a workable condition. Do not use the ZOOM Head if the connector, cable, flash tube, fan or the housing show any kind of damage.
- Connect the flash head connector to the power pack.
- Only correct fitted flash cable connections are secured against arching.
- Check all connections again; and than switch on the unit.



ATTENTION

- Always switch off the power pack before connecting or disconnecting flashheads!
- The ambient temperature whilst the unit is in use: min. -20°C (-4°F) up to max. 35°C (95°F)

THIRD PARTY MANUFACTURERS

The ZOOM flashhead cannot be connected to power packs from other brands. Even when similar flashhead sockets and plugs are used by other manufacturers, the wiring of the contacts and the flash tubes are specifically made for Elinchrom power packs. Use only original Elinchrom accessories and reflectors. The warranty does not cover damages forced by third party accessories and reflectors.

ZOOM HEAD ON/OFF SWITCH

The Halogen modelling lamp can be switched on/off directly from the ZOOM Head, if this is required. It does not switch off the flash light.

ZOOM HEAD INTELLIGENT FAN COOLING AND OVERHEAT PROTECTION

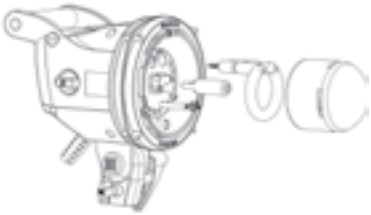
The fan speed is electronically controlled. Close to the on/off switch is a small LED, which lights up in case of over heating. The overheat protection shuts down the Halogen lamp at internal high temperature. After cooling down the Halogen lamp switches on automatically and the red LED turns off.

REPLACING THE PLUG-IN FLASH TUBE

Elinchrom uses high quality long-life plug-in flash tubes specifically made for the ZOOM Heads. To exchange a user replaceable plug-in flash tube, please follow the instructions below:

1. Switch the EL- power pack OFF.
2. Disconnect the flash cable connector first from the power pack.
3. Place the ZOOM Head on a dry and clean surface.
4. Wait until the ZOOM Head has cooled down.
5. Attention: Use protective gloves if the glass dome, the Halogen lamp or the flash tube must be replaced:
    - Set the ZOOM focus to max. wide angle (front position)
    - Remove firmly the glass dome from the metal snap-in hooks.
    - Remove the security spring from the flash tube and pull the flash tube firmly out of the terminals.
    - If the tube is broken, use safety gloves. Avoid cutting yourself!
    - Never touch the metal electrodes and ensure that the unit is discharged and disconnected from the EL power pack! Use an insulated tool to pull out the electrodes.
6. Now set the ZOOM focus to the max. hotspot (rear position) and replace with a new correct original Elinchrom flash tube.

    NOTE: Check the correct polarisation when Action, A-type flashtubes are replaced!! They normally fit only in one direction!

    - ZOOM PRO HD Head - flash tube code N° 24082
    - ZOOM ACTION Head - flash tube code N° 24083
    - ZOOM PRO Head - flash tube code N° 24081
7. A glove or “plastic protection” MUST BE USED. Contact with your fingers on the glass, causes dark markings on the flash tube when it is used.
8. Check that the tube is correctly aligned (central) and that the trigger contact is gripping the tube.
9. Fit the glass dome carefully into the snap-in metal supports.
10. Check that the correct fuses are used for the Halogen lamp.
11. Re-connect the ZOOM Head to the power pack and test the unit as usual.

FITTING ACCESSORIES

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1. Always switch the unit off before attaching accessories.
2. Disconnect the flash cable from the power pack.
3. Mount the ZOOM Head to a tripod and lock the security screw.
4. Turn the locking ring of the reflector bayonet anticlockwise in OPEN position.
5. Insert an accessory and turn it clockwise until you hear it click into place.
6. Turn the locking ring clockwise to close the bayonet, indicated by the white mark on the bayonet ring.
7. Check if the Reflector is well fitted.
8. Reconnect the flash cable to the power pack and switch the unit on.

ZOOM HEAD ACCESSORIES

FLASH TUBES:

ZOOM PRO HD // 24082

ZOOM ACTION // 24083

ZOOM PRO // 24081

HALOGEN LAMPS:

MAX. 300 W / 230 V Halogen GX 6.35 // 23022

MAX. 300 W / 110 V Halogen GX 6.35 // 23030

GLASS DOMES:

Glass Dome, transparent (standard configuration) // 24918

Glass Dome, frosted // 24919

ZOOM HEAD EXTENSION CABLE:

5 m // 21040

10 m // 21041

TECHNICAL DATA : ZOOM FLASHHEAD

	ZOOM PRO HD	ZOOM ACTION	ZOOM PRO
Max. flash power load	3000 ws / J		
Compatible power packs	All Elinchrom power packs since 1981		
Multi-voltage	All Zoom Heads can be used with 110 V or 230 V EL power packs. Only the Halogen lamp and the fuse must apply to the correct voltages and values!		
Plug-in flash tube	Quartz- Heavy Duty	Super short flash duration	Quartz Standard
Colour temperature	5500 K (at full flash power)		
Flash tube order code	24082	24083	24081
Glass Dome TRANSPARENT	24918		
Glass Dome FORSTED	24919		
Modelling light 230 V	Standard configuration: 300 W / 230 V Halogen GX 6.35 // 23022		
Modelling light 110 V	Standard configuration: 300 W / 110 V Halogen GX 6.35 // 23030		
Modelling lamp on/off	All models		
Intelligent Fan Cooling	Fan speed is electronically temperature controlled. The overheat protection shuts down the Halogen lamp at higher internal temperature, after cooling down the Halogen lamp switches on automatically		
Included extras	5 m Flash Cable, Glass Dome transparent, Plug-In Flash Tube, Halogen Lamp, ZOOM-Function, Umbrella Support, Reflector Locking Bayonet		
Tripod adaption	Standard 5/8”		
Dimensions L x W x H / cm	245 x 155 x 205 (with protective cover) / 240 x 155 x 205 (with glass dome)		
Weight	2.3	2.33	2.3
Order Code	20192	20193	20191

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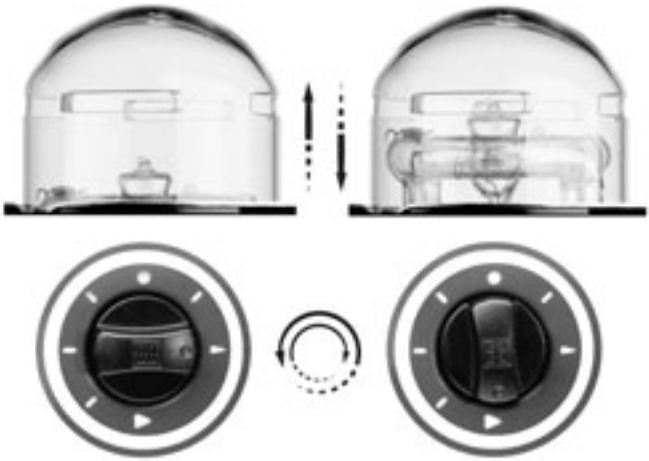
REFLECTOR ZOOM TABLE			
REFLECTOR Ø	**EL-NO.**	**HOT SPOT**	**WIDE**
None		80°	81°
Reflector 18 cm 60°	26144	60°	74°
Reflector 21 cm 50°	26141	52°	63°
Reflector 26 cm 43°	26137	42°	53°



Hot spot **Wide**

ZOOM FLASHHEADS - MODELLING LAMPS FUSES					
MOD- LAMP (SOCKET GX 6.35)			**FUSES**		
POWER	**VOLTAGE**	**EL-NR**	**CURRENT**	**REACTION**	**EL-NR** (10 PCS)
150W	230VAC	23032	2	FAST «F»	19032
200W	230VAC	23034	2	FAST «F»	19032
300W	230VAC	23022	2.5	FAST «F»	19033
150W	120VAC	23031	2	FAST «F»	19032
200W	120VAC	23033	2	FAST «F»	19032
300W	120VAC	23030	5	FAST «F»	19036

MAINTENANCE

The Zoom Head requires only very little maintenance. To ensure secure operation please check the following points regularly before connecting the Zoom Head to the EL-power pack:

- Ensure that the contacts of the flash head connector are not burned or corroded.
- The Zoom Head flash cable should not have any marks or cuts. LIFE-DANGER!!
- Ensure that the plug-in flash tube, the Halogen lamp and the glass dome are correctly fitted.
- Do not use water to clean the Zoom Head from dust and dirt.
- Ventilation grids must be clean and free of any tape etc.
- When the Zoom Head is connected to the EL-power pack, check that the fan cooling is active.

CAUTION:

Under no circumstances open any part of the equipment. The Zoom Head is not user serviceable and there is dangerous high voltage. In the event of difficulties contact your Elinchrom Service partner.

Regular check

National safety regulations require frequent safety checks of the electrical equipment. The ZOOM Head should be checked once a year. This check not only guarantees safety, it also protects the value of the unit.

Return To Customer Service

To achieve maximum protection of the unit when sending it in for service, the original packaging should be kept.

Sales / Service / Rental

For service and sales, please contact your local Elinchrom Distributor. For more information, contact and support, please visit http://www.elinchrom.ch/distrib.php

Warranty

This ELINCHROM product will be repaired free of charge by the vending agent if during a period of 24 months from date of purchase its working order is impaired through a manufacturing or material defect. The faulty product should be immediately sent to the authorized dealer or ELINCHROM agent. This guarantee is not valid for equipment which has been misused, dismantled, modified, or repaired by persons not belonging to the ELINCHROM distribution network. It does not cover flash tubes, lamps and the normal ageing of capacitors. No responsibilities can be accepted for damage, resulting from unsatisfactory operation of the equipment, such as wasted film or other expenses.

Dieses ELINCHROM Produkt wird durch den Verkäufer des Gerätes kostenlos repariert, falls sich innerhalb von 24 Monaten ab Verkaufsdatum durch Fabrikations oder Materialfehler verursachte Mängel auftreten. Senden Sie das Gerät sofort an den zuständigen Händler oder ELINCHROM Vertreter. Der Garantieanspruch entfällt, wenn das Gerät unsachgemäss behandelt oder durch unberechtigte, Personen demontiert, umgebaut oder repariert wurde. Ausgeschlossen von dieser Garantie sind Blitzröhren, Lampen, das normale Altern von Kondensatoren sowie Schäden die durch ein defektes Gerät entstehen könnten, z.B. Filmverlust, Reise-und andere Kosten.

Cet appareil ELINCHROM sera gratuitement remis en état par son vendeur en cas de mauvais fonctionnement imputable à un défaut de fabrication ou de composants apparu dans un délai de 24 mois à partir de la date d'achat. L'appareil doit être envoyé dès que possible à l'adresse du vendeur ou de l'agent ELINCHROM autorisé. Cette garantie n'est plus valable pour les appareils soumis à un usage non approprié démontés, modifiés ou réparés par des personnes n'appartenant pas au réseau de distribution ELINCHROM. Sont exclus de cette garantie les tubes-éclairs, les lampes pilotes et le vieillissement des condensateurs. ELINCHROM n'est pas responsable de dommages résultant d'un fonctionnemement défectueux de l'appareil (perte de film, manque à gagner ou autres frais).

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Please „register“ your Elinchrom product online under:
Bitte registrieren Sie ihr Elinchrom Produkt unter:
Veuillez enregistrer votre produit Elinchrom on line sous:
Per favore registrare il suo prodotto Elinchrom in linea sul sito:
Por favor registre su producto Elinchrom por internet:

www.elinchrom.com / SUPPORT / LOGIN

In case you cannot register your Elinchrom unit via internet, please fill in the Guarantee card and post it to ELINCHROM.

Please return this registration card directly to		:	ELINCHROM S.A.
Diese Registrierkarte bitte direkt zurücksenden an		:	P.O. Box 458
Veuillez retourner cette carte d'enregistrement directement à		:	Avenue de Longemalle 11
Vi preghiamo di far pervenire questa cartolina di iscrizione direttamente a		:	CH-1020 Renens
Por favor envíe esta tarjeta de registro directamente a:		:	Switzerland
Elinchrom model	:		N°
Elinchrom Modell	:		
Elinchrom modèle	:		
Modello di Elinchrom	:		
Modelo de Elinchrom	:		
Date of purchase	:	Dealer	:
Kaufdatum	:	Händler	:
La date d'achat	:	Négociant	:
La data di acquisto	:	Il distributore	:
La fecha de la compra	:	El comerciante	:
Your full name and address	:		
Name und Adresse	:		
Votre nom complet et adresse	:		
Il suo nome pieno ed indirizza	:		
Su nombre completo y dirección	:		

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